



1258400 - R8 SDMS

Libby Asbestos Superfund Site
Libby, Montana

Town Meeting

Little Theater
Monday, June 22, 2009 – 7-9pm

Agenda

- I. Introduction –**
Ted Linnert, EPA-R8 Community Involvement
- II. Opening Remarks –**
Carol Campbell, EPA-R8 Assistant Regional Administrator
- III. 2009 Construction Season –**
Mike Cirian, EPA-R8 On-Site Project Manager
- IV. Project Update –**
Mike
- V. Libby Action Plan Update –**
Helen Dawson, EPA-R8 Technical Assistance Unit Manager
- VI. Health & Human Services –**
Tom Morris, Associate Administrator for Rural Health Policy - HHS
- VII. Questions and Answers –**
Citizens & Feds
- VIII. Closing Remarks -**
Ted

→ Impact of PHE on Community
- health care good
- clean-up

IG →
Office of
Program
Evaluation

Demolition →
→ Institutional control → later?
in 2000 + 2001
risk assessment a response action?

- 6M

2M screening

4M health services (2M each yr)

those that are not in libby, how do they get access?
what about post 2yr.

? directly to Lincoln County

proposed clean up plan →

OU 2 → Former Screening Plant

#trucks going to mine sites

OU 1 → city of Libby
? slowed down ROD
IC's 8 O + M
↳ public park

think RODs
coming too fast

Can we do
more clean-ups?
multiple sclerosis??
health issues??

visible vermiculite

OU 4 + 7 →

assurances on health care? 4M → Lincoln Co Board of Health
4M → Asbestos Health Care
SOLC3 →
LAMP pgrm

How long on COE
response?

? fires → exposures

who's on Co Health Board

Carol Spas

Dr. Blech

3 Commissioners

2 mayors

Co Sanitarian

ERS evaluation
over time.

Vertical
transfer
capping +
effect of that

OU 1 - 24,000 sq ft of building's (?)
heart of city → wants as to pay for building
new pavilion } what happened
? unrestricted use } to stuff →
IC's + OM } → settlement

replace + relocate
water line exchanged

Libby Action Plan - Toxicity Studies

Helen Dawson

- What Studies are including in the Libby Action Plan?
 - Human Health Assessment (existing data)
 - Human Epidemiology Studies (new data)
 - Developing New Analytical Techniques
 - Laboratory Cultured Cell Toxicity Studies
 - Laboratory Animal Toxicity Studies
 - Model Development Studies (Dosimetry)

Health & Human Services

Tom Morris

- Health Care Services to be Provided
- When Services will be Available?

Questions

Libby Asbestos Superfund Site Project Update

June 22, 2009

Agenda

- Opening Remarks – Carol Campbell
- 2009 Construction Season – Mike Cirian
- Project Update – Mike Cirian
- Libby Action Plan update – Helen Dawson
- Health & Human Services – Tom Morris
- Questions and Answers

599-000
over 600 F cys
//

Opening Remarks Carol Campbell

- Public Health Emergency Declaration
- Cleanup Work Completed
- Future Cleanup Work
- EPA Administrator Jackson Visit to Libby

2009 Construction Season Mike Cirian

- Residential Cleanups 23 - 9750 yd³ soil
- Creeks - 2 & 3 areas
- Cabinet View Country Club Golf Course - Working closely w/ Board
- Army Corps of Engineers Value Engineering Study - Looking into more effective remediation activities
- Activity Based Sampling - Schools

3 events
w multiple activities

- Walking
- Childrens Play areas
- Football
- Fairbee
- Soccer

maintenance
mowing
Raking
Sweeping

\$125 million

Project Update Mike Cirian

- Processing Units
 - OU1 Export Plant
 - Working with City of Libby to coordinate Remedy with future Land Use
 - Plan to issue Proposed Cleanup Plan in September, 2009
 - OU2 Screening Plant
 - Plan to issue Proposed Cleanup Plan in September, 2009
 - OU5 Former Stimson Lumber Property
 - Plan to complete Investigations and Feasibility Study in Fall, 2010
 - Plan to issue Proposed Cleanup Plan in the Fall 2010
 - Worked with Lenders to address Environmental Concerns related to the Stinger Welding Facility in Libby

Project Update Mike Cirian

- OU4/7 Residential and Commercial Properties in Libby and Troy
 - Continue Cleanups Using Removal Authorities
 - Proceed with Proposed Plan after Site Specific Toxicity Values for Libby Amphibole have been Developed - *when? 2011*
 - Troy Area Property Evaluations continue in 2009 by MDEQ
 - Properties not Evaluated in Libby will be Conducted by EPA in 2010

there will be a meeting coming next month.

Project Update Mike Cirian

- OU3 The Mine
 - Continuing with Investigations in 2009
 - Activity Based Sampling
 - Ecological Impacts
- OU6 The Railroad Right-of-Way
 - Evaluating Railyard Cleanup
 - Negotiating with Railroad Concerning Next Steps for Addressing Potential Contamination along the Rail Corridor

Libby Action Plan - Toxicity Studies Helen Dawson

- July Public Meeting
 - Summary of Studies
 - When will Studies be Completed?
 - How will the Studies be used in the Risk Assessment

Libby Action Plan - Toxicity Studies

Helen Dawson

- What Studies are including in the Libby Action Plan?
 - Human Health Assessment (existing data)
 - Human Epidemiology Studies (new data)
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 - Laboratory Animal Toxicity Studies
 - Model Development Studies (Dosimetry)

Health & Human Services

Tom Morris

- Health Care Services to be Provided
- When Services will be Available?

Questions

Lincoln County Do-It-Yourselfers



What to Do if You Find Vermiculite or Asbestos In or Around Your Home or Business

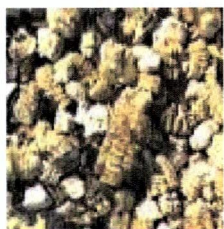
Environmental Resource Specialist – (406) 291-5335

EPA Information Center - 501 Mineral Avenue, Libby, MT 59923 - (406) 293-6194

DEQ Troy Information Center – 303 N. Third St.; Troy, MT 59935 – (406)-295-9238

June 2007

Vermiculite in Libby



For several decades, vermiculite was commonly used in and around homes in Lincoln County for a variety of applications, including as a soil additive, construction aggregate, and attic insulation.

If vermiculite is present, it might contain Libby Amphibole asbestos (LA), which may be more toxic than other varieties. Exposure to LA could lead to such serious diseases as asbestosis, lung cancer, or mesothelioma. It will take several years for EPA to complete its cleanup activity in Libby and Troy. Residents might encounter vermiculite during that time, even after EPA has finished its work. It is not possible for EPA to remove (or even know about) *all* of the vermiculite in the area. In some cases, it will intentionally be left in sealed walls, home foundations, attics, crawlspaces, and other relatively inaccessible areas.

Some encounters with vermiculite will be small in volume, such as a handful, and might include:

- **minor renovations**, such as removing old carpets or drywall, installing ceiling fans, or removing wall outlets
- **routine landscaping**, like gardening, rototilling, or mowing

There will be times when a large pocket of vermiculite is discovered, for example:

- **extensive digging** – for septic systems, sprinklers, or water lines
- **major renovations** - taking down walls, putting in windows, etc.
- **fires** - fire-fighting and subsequent cleanup

Protect Yourself

If you encounter vermiculite, it is likely that you will be exposed to Libby Amphibole asbestos. **If possible, leave it alone.** Hiring a licensed asbestos contractor to clean up vermiculite spilled while working on your home is strongly recommended to minimize your exposure. If you are unsure of what to do, call the **Environmental Resource Specialist (ERS - (291-5335))**. If you choose to continue working in contaminated areas, take the following steps:

Take Steps to Avoid Exposure

1. Keeping in mind that any amount of vermiculite may cause a significant exposure risk, for a small indoor quantity, such as a handful of vermiculite, use a damp paper towel to scoop up the material into a sealable plastic bag or jar. Then use another damp towel to wipe down the area. Place the used paper towels in the container and throw everything away in a proper receptacle (a covered trashcan is OK). For a small quantity of vermiculite in soil, such as a very isolated area or a few random flakes, it is recommended that you wet it and try to work around the area. **If possible, leave it alone.** If the material is buried, keep it that way - it's better buried than at the surface.
2. HEPA filter vacuum cleaners are effective on small quantities of vermiculite found indoors. **Never vacuum vermiculite with a regular vacuum cleaner.** HEPA vacuums and wet wiping can be used periodically to remove small amounts of vermiculite introduced into your home. Use a HEPA vacuum to remove dust from previously inaccessible locations such as under recently removed carpets, appliances, and furniture.

3. For larger quantities of vermiculite, such as what you may find in a breached wall, do not disturb the material. **Do not vacuum large amounts of vermiculite - even with a HEPA vacuum - leave the material alone and call the ERS.**
4. Dry mowing or rototilling in yards and gardens where vermiculite is abundant might cause asbestos to become airborne. We encourage sprinkling your yard or garden with water before mowing or tilling. **Consult with the ERS if you are unsure about the vermiculite content in your yard.**
5. If you encounter a large amount of vermiculite in soil that cannot be avoided, such as when it is used around structures like pipes or foundations, or as bulk fill – **do not disturb the material, call the ERS.**
6. If you are planning on remodeling your home, find out if there is vermiculite in the attic or walls (drill small pilot test holes) or in any other material that will be taken out, disturbed, or is likely to create dust. You can call the EPA Information Center at 293-6194 or the DEQ Troy Information Center at 295-9238, if you are unsure. You should also be aware of specific state and local regulations regarding remodeling, demolition, and disposal that may impact your work, especially on big projects.

Renters - You have a right to know about any adverse conditions at your rental. Ask your landlord about the presence of vermiculite. If you do not receive the information you request, contact the EPA Information Center, ERS, or DEQ Troy Information Center (please provide proof of residency).

Libby Amphibole (LA) might be considerably more toxic than other commercial asbestos products. It should be avoided or handled with extreme care. Exposure to Libby Amphibole asbestos has resulted in disease in workers and non-workers who have had contact with contaminated materials. There is no known threshold risk level for asbestos-related materials, and any exposure will increase the risk of asbestos-related disease. The health risk from exposure to all asbestos depends greatly on the amount of asbestos in the material you are disturbing and how long the exposure lasts. If you take the basic precautions outlined in this fact sheet, work on your project will be much safer. It should be noted that regular dust or "painter's" masks are not effective in reducing exposure to LA.

Who Can I Contact With Questions About Asbestos?

**EPA Information Center - (406) 293-6194
DEQ Troy Information Center – 295-9238
ERS – (406) 291-5335**

The EPA, ERS, or DEQ might send personnel out to inspect a situation involving vermiculite or Libby Amphibole asbestos. This guidance might include advising the owner to allow EPA or a licensed asbestos contractor or inspector to take samples, conduct cleanup, or take other special measures to reduce the risk of asbestos exposure. A list of approved asbestos inspectors and contractors is available at the Information Centers.

**Montana Department of Environmental Quality -
Asbestos Control Program (406) 444-5300**

Montana law requires that employers hire a licensed inspector to determine if asbestos is present before doing any work. Asbestos that is not associated with the Libby vermiculite mine is still regulated by Montana DEQ. If non-Libby Asbestos is found, it should be dealt with according to Montana regulations. Explore Montana DEQ's Asbestos web site at: www.deq.mt.gov/Asbestos

Please learn about the risks of asbestos exposure and basic precautions by reviewing these fact sheets (available at the **Information Centers** mentioned above) or the website listed below:

- **HEPA Vacuum Cleaner Program – May 2007.**
- **Contractors & Tradesmen Working Indoors – June 2007**
- **Contractors & Tradesmen Working Outdoors – June 2007**
- **Explore the EPA web site and its links at: www.epa.gov/region8/superfund/libby**

Libby Asbestos Site Document Distribution List (2009)

D.C. Orr

Congressional Representatives

Tester, Jon - U.S. Senate
204 Russell Senate Office Building
Washington, DC 20510-2604
(202) 224-2644
rjt@tester.senate.gov

Baucus, Max - U.S. Senate
511 Hart Senate Office Building
Washington, DC 20510
(202) 224-2651
max@baucus.senate.gov
Kirby_Campbell-
rierson@baucus.senate.gov

Rehberg, Dennis - US House
516 Cannon
Home Office Building
Washington, DC 20515
(202) 225-3211

State Government

Schweitzer, Brian
Governor
State Capitol
Helena, MT 59620-0801
(406) 449-6373
schweitzer@montana.com

Oppen, Richard
Director, DEQ
P.O. Box 200901
Helena, MT 59620
(406) 444-6815
Ropper@mt.gov

LeCours, Catherine
DEQ-OU7
P.O. Box 200901
Helena, MT 59620
clecours@mt.gov
(406) 841-5040

Local Mayors

Roll, Doug- Libby Mayor
E 952 Spruce Street
Libby, MT 59923
(406) 293-1278
glena.hook@cityoflibby.com

Hammons, Jim-Troy Mayor
301 E. Kootenai Avenue
Troy, MT 59935
(406) 295-4151
citytroy@troymt.net

Montana Representatives

Bennett, Gerald
Legislator HD #1
784 Taylor Road
Libby, MT 59923-8458
(406) 293-7012
jbenhd1@hotmail.com

Curtiss, Aubyn
Legislator SD #1
PO Box 216
Fortine, MT 59918-0216
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Commissioner, Eureka
152 HWY 37
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glena.hook@cityoflibby.com

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billb@libby.org

Troy City Council

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301 E. Kootenai Avenue
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(406) 295-4151
citytroy@troymt.net

Schrader, Laura-President
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(406) 295-4737
citytroy@troymt.net

Coryell, Larry
PO Box 1054
Troy, MT 59935
(406) 295-5143
coryell@kvis.net

Banning, Don
PO Box 487
Troy, MT 59935
(406) 295-1420
donbanning@frontiernet.net

Baker, Larry
301 E. Kootenai Avenue
Troy, MT 59935
(406) 295-2233
citytroy@troymt.net

Local Government

Hooper, Kathi
Health Department
512 California Avenue
Libby, MT 59923
(406) 293-7781 x 231
lcdeh@libby.org

Health-Related Groups

Hernandez, Tanis
CARD Clinic Coordinator
214 E. 3rd Street
Libby, MT 59923
(406) 293-9274
tanis@libbyasbestos.org

TAG

TAG Technical Advisor
Spear, Terry
1300 West Park Street
Butte, MT 59701
(406) 496-4445
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TAG Chairman
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CAG

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(406) 293-9280 (Fax)
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Carney, Eileen
President, Kootenai Pets for Life
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(406) 293-6407
jecarney@frontiernet.net

Giesey, Mike
Center for Asbestos Related Disease
8555 Bull Lake Road
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(406) 295-7441 (work)
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CAG Resources

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ATSDR
10 W. 15th St.; Suite 3200
Helena, MT 59626
1-800-866-457-2690 x 5007

LeCours, Catherine DEQ
CO-OP OU7
1100 N Last Chance Gulch
PO Box 2000901
Helena, MT 59620-0901
(406) 841-5040 Office
(406) 295-9238 Troy Office
(406) 431-1630 Cell
clecours@mt.gov

Libby Chamber of Commerce
P.O. Box 704
Libby, MT 59923
(406) 293-4167
libbyacc@libbychamber.org

Troy Chamber of Commerce
PO Box 3005
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C&M Team

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Leckrone, Charlene
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LeCours, Catherine (DEQ)
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Marriam, Bob
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O&M Facilitator
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matheny@montanasky.net

Additional EPA Resources

Ketellapper, Victor-Libby Project
Team Leader
USEPA REGION 8 -EPR-SR
1595 Wynkoop Street
Denver, CO 80202-1129
(303) 312-6578
ketellapper.victor@epa.gov

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Superfund Unit A Leader
USEPA REGION 8 -EPR-SR
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Denver, CO 80202-1129
(303) 312-6693
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Cirian, Mike-On Site RPM
USEPA REGION 8
501 Mineral Avenue
Libby, MT 59923
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cirian.mike@epa.gov

Christiansen, Stanley-RPM
RI/FS & Contracting OU4
CO-OP Agreement OU7
USEPA REGION 8 -EPR-SR
1595 Wynkoop Street
Denver, CO 80202-1129
(303) 312-6694
christiansen.stanley@epa.gov

Thomas, Rebecca-RPM
Processing Areas OU1, 2, 5 & 6
USEPA REGION 8-EPR-SR
1595 Wynkoop Street
Denver, CO 80220-1129
(303) 312-6552
thomas.rebecca@epa.gov

Lavelle, Bonnie RPM
Mine-OU3
USEPA REGION 8-EPR-SR
1595 Wynkoop Street
Denver, CO 80220-1129
(303) 312-6579
lavelle.bonita@epa.gov

Linnert, Ted, Community Involvement
Coordinator
USEPA REGION 8-OC
1595 Wynkoop Street
Denver, CO 80202-1129
(303) 312-6119
(800) 227-8917 x 6119
linnert.ted@epa.gov

Libby Groundwater Site

Hernandez, Kathryn
USEPA REGION 8 EPR-SR
1595 Wynkoop Street
Denver, CO 80202-1129
(303) 312-6101
hernandez.kathryn@epa.gov

DeWitt, Lisa-DEQ
1100 N Last Chance Gulch
PO Box 2000901
Helena, MT 59620-0901
(406) 841-5037
lidewitt@mt.gov

ACRONYMS

RPM-Remedial Project Manager
RI-Remedial Investigation
FS-Feasibility Study
OU1-Operable Unit1-Export Plant
OU2-Operable Unit-2-Former
Screening Plant
OU3-Operable Unit3-Mine
OU4-Operable Unit4-Libby
OU5-Operable Unit5-Stimson
OU6-Operable Unit6-BNSF-
Burlington Northern Santa Fe
OU7-Operable Unit7-TRO

Tannis Hernandez → she wrote HHS grant

Victor K is sick →
sorry he can not be
here tonight.

Libby Asbestos Superfund Site Project Update

June 22, 2009

Agenda

- Opening Remarks – Carol Campbell
- 2009 Construction Season – Mike Cirian
- Project Update – Mike Cirian
- Libby Action Plan update – Helen Dawson
- Health & Human Services – Tom Morris
- Questions and Answers

Ellen Manges, Sr Policy Advisor
to AA OSWER, EPA HQ
Bill Murray, Program Director, Superfund Remedial ^{Program} Branch
Matt Cohn, Supervisory → Unit Chief, Superfund Attorneys
Ted Linnest, Community Involvement Coordinator
Mike Cirian, Remedial Project Manager
Helen Dawson, Technical Assistance Unit Chief

Opening Remarks Carol Campbell

- Public Health Emergency Declaration
- Cleanup Work Completed
- Future Cleanup Work
- EPA Administrator Jackson Visit to Libby

2009 Construction Season Mike Cirian

- Residential Cleanups
- Creeks
- Cabinet View Country Club Golf Course
- Army Corps of Engineers Value Engineering Study
- Activity Based Sampling - Schools

Tom Morris, Ass Administrator for Rural Health Policy

Project Update Mike Cirian

- Processing Units
 - OU1 Export Plant
 - Working with City of Libby to coordinate Remedy with future Land Use
 - Plan to issue Proposed Cleanup Plan in September, 2009
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 - Plan to issue Proposed Cleanup Plan in September, 2009
 - OU5 Former Stimson Lumber Property
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Libby Action Plan - Toxicity Studies Helen Dawson

- July Public Meeting
 - Summary of Studies
 - When will Studies be Completed?
 - How will the Studies be used in the Risk Assessment

Opening Remarks

PHE Determination

-6/17/08 EPA Administrator Jackson determines PHE

- Gives EPA all authorities needed to do indoor clean-ups
- Administrator at Baucus's request reviewed Libby situation and determined PHE warranted

Work to Date

1. EPA has been conducting clean-ups in Libby since 2000
2. Site was added to NPL in 2002
3. To date we have spent \$217 M for research, assessment, and clean-up
4. 161 M of 217 M has been specifically on removal activities which have been authorized via an action memo
5. EPA's cleanup efforts have greatly reduced exposure to Libby and Troy residents, but there is still a threat to public health from actual and potential exposure to asbestos in Libby and Troy
 - a) Export Plant, Screening Plant, schools, ice rink cleanups are examples of where we have reduced risk
 - b) Still concerns with indoor dust and air, yard and garden soils, driveway material, uncontained vermiculite in attics

6. As of 12/2008, we have remediated 1100 properties, removed 599 K cubic yards of soil, 14K cubic yards of vermiculite attic insulation, and 42K cubic yards of debris
7. This action memo amendment adds another 125 M to the work ceiling for the site

Future Work

8. This summer we plan on finishing clean-up at several creeks, starting the golf course clean-up and continuing houses/property cleanups- Mike Cirian will discuss this more thoroughly
9. We have an overall site plan (^{Mike}~~Victor~~ will provide more info)
 - a) OU1, 2, 5- working on proposed plans, with plan to issue decision documents and redevelop
 - b) OU 4 and 7- developing toxicity and exposure information for Baseline Risk Assessment, property clean-ups will continue under removal action memo while moving toward ROD in future (2013?)
 - c) OU 3- working with WR Grace on remedial investigation, performing an ecological risk assessment
 - d) OU 6- BN working on clean-up of railroad area with oversight by EPA

Town Meeting

June 22, 2009

***Libby Asbestos Site
Lincoln County, Montana***

Agenda

- **Opening Remarks – Carol Campbell**
- **2009 Construction Season – Mike Cirian**
- **Site update – Victor Ketellapper**
- **July meeting(s) – Carol Campbell** → site mtg focused on Tox
Admin visit → Public Mtg
- **Libby Action Plan update – Helen Dawson**
- **Health & Human Services update – Tom Morris**, Associate Administrator
for Rural Health
Policy, HHS
- **Questions and Answers**

Opening Remarks – Carol Campbell

- **Public Health Declaration**
- **Work completed to date**
- **Future work**

2009 Construction Season – Mike Cirian

- **Residential Cleanups**
- **Creeks**
- **Cabinet View Country Club Golf Course ???**

Site Update – Victor Ketellapper Catherine LeCours ???

- **Processing Units**

- **Operable Unit 1**
- **Operable Unit 2**
- **Operable Unit 5**

- **The Mine site – Operable Unit 3**

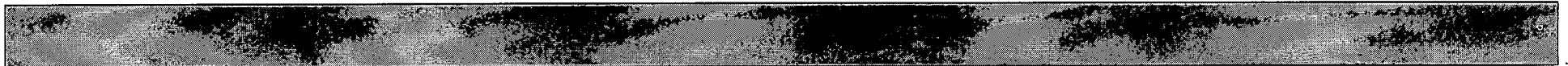
Residential and Commercial Properties

- **Libby, Operable**

Unit 4

- **Troy, Operable**

Unit 7



Libby Action Plan Update – Helen Dawson

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Health & Human Services Update – Tom Morris

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Questions?

epa.gov / libby